

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
TYPE CERTIFICATE DATA SHEET No. A10EU

A10EU
Revision 9
SIAl Marchetti S.p.A.
F.260
F.260B
F.260C
F.260D
October 8, 1986

This data sheet which is part of Type Certificate No. A10EU prescribes conditions and limitations under which the product for which the Type Certificate was issued meets the airworthiness requirements of the Civil Air Regulations.

Type Certificate Holder. SIAl Marchetti S.p.A.
Via Indipendenza
Sesto Calende, Varese
Italy

- I. Model F.260 (Utility and Acrobatic Category), approved April 1, 1966
(See Note 6 for aircraft with Serial Nos. 2-54 and up).
- II. Model F.260B (Utility and Acrobatic Category), approved June 10, 1974
(Same as F.260 except for vertical empennage of increased area and airfoil sections of wing leading edge.)
- III. Model F.260C (Utility and Acrobatic Category), approved December 30, 1976
(Same as Model F.260B except for lowered seats, ailerons with servotab, battery relocated forward and radio compartment)
- IV. Model F260D (Utility and Acrobatic Category), approved October 8, 1986
(Same as Model F260C except for reinforced wing main spar)

DATA PERTINENT TO ALL MODELS

Engine. For the Model F.260 and F.260B
Lycoming O-540-E4A5

For the Model F.260C and F260D
Lycoming O-540-E4A5, or
Lycoming AE10-540-D4A5

Fuel. 91-96 Minimum grade

Engine limits. For all operations, 2700 rpm (260 hp). See NOTE 2. (a), (6). -2. (a).(7)

Propellers and Propeller Limits.

- (a) Hartzell HC-C2YK-1B/8467-8R (for F.260 and F.260B only)
Diameter: Max 76 in., minimum allowable for repairs 75 in.
Pitch setting at 30 in. radius: Low 15°30', High 30°
- (b) Hartzell HC-C2YK-1B/8477-8R
Diameter: Max 76 in. (no reduction permitted)
Pitch setting at 30 in. radius: Low 15°30', High 32°
- (c) Hartzell HC-C2YK-4F/FC8477-8R
Diameter: Max 76 in. (no reduction permitted)
Pitch setting at 30 in. radius: Low 15°30', High 32°

Airspeed Limits (C.A.S.).

V _{NE} (Never Exceed)	272 mph (236 kts)
V _{NO} (Max. Structural Cruising)	215 mph (187 kts)
V _p (Maneuvering speed)	187 mph (162 kts)
V _{FE} (Max with flaps ext.)	200 mph (174 kts) (F260D only)
V _{LE} (Max with landing gear ext.)	125 mph (108 kts)

C.G. Range (Landing Gear Extended).

(+85.8 in) to (+93.7 in) at 1870 lbs or less
(+91.4 in) to (+93.7 in) at 2430 lbs (F260, F260B, F260C)
With straight line variation between points given

(+86.9 in) to (93.7 in) at 1984 or less (F260D)
(+91.3 in) to (93.7 in) at 2425 lbs (F260D)
with straight line variation between given points.

Empty Weight C.G. Range. None.

Datum. 59.05 inches forward of firewall

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Leveling Means.

Two screws on left side of fuselage

Maximum Weight.

2430 lbs (Utility cat.), 2205 lbs (Acr. Cat.) (F260, F260B, F260C)

2425 lbs for both categories (F260D)

No. of Seats.

3 (2 at +100 in), (1 at +130 in). See NOTE 3

Maximum Baggage.

90 lbs (+149 in).

Fuel Capacity.

-64 U.S. gallons total
(2 wing tanks of 13 U.S. gal each (+105.5 in) F 260, F 260B;
(2 tip tanks of 19 U.S. gal each (+93.3 in) F 260C and F260D with
Usable 62 U.S. gal. See NOTE 1 for unusable fuel. O-540-E4A5 engine

-64 U.S. gallons total
Usable 58.3 USGal. See NOTE 1 for unusable fuel
(For F 260C and F 260D with AE10-540-D4A5 engine only).

Oil Capacity.

- 12 qt (+31.5 in); usable 9.25 qt. See NOTE 1 for system oil.

- 12 qt (+31.5 in); usable 6 qt. See NOTE 1 for system oil.
(For F 260C and F 260D with AE10-540-D4A5 engine only)

Control Surface Movements.

Wing Flaps		Up	24°+1	Down	50°+1
Ailerons		Up	24°+1	Down	13°+1
Aileron servotab		Up	23°+1	Down	14°+1
	(F260C, F260D)				
Elevator		Up	24°+1	Down	16°+1
Elevator tab		Up	20°+1	Down	25°+1
Rudder		Right	30°+1	Left	30°+1

Serial Nos. Eligible.

The Registro Aeronautico Italiano (R.A.I.) Certificate of Airworthiness endorsed as noted below under "Import Requirements" must be submitted for each individual aircraft for which application for certification is made

Certification Basis.

CAR 10. Type Certificate No. A10EU issued April 1, 1966
Date of application for Type Certificate, June 12, 1963

Import Requirements.

A U.S. Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the Registro Aeronautico Italiano (R.A.I.) containing the following statement.

- (a) F.260 and F.260B - "The airplane covered by this certificate has been examined and found to comply with U.S. Civil Air Regulation Part 3, dated May 15, 1956, including Amendments 3-1 through 3-8 and conforms to Type Certificate No. A10EU"
- (b) F260C and F260D - "The airplane covered by this certificate has been examined and found to comply with U.S. Civil Air Regulation Part 3, dated May 15, 1956, including Amendments 3-1 through 3-8 and FAR Part 23 dated February 1, 1965, including Amendments 23-1 through 23-7 for the paragraphs 23.729; 23.735; 23.951; 23.995; 23.1353 and conforms to Type Certificate No. A10EU"

Equipment.

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following items of equipment are required: (all items notes as standard equipment in the manufacturer's approved equipment list)

- (a) Pre-stall warning indicator, Safe Flight Instrument Corp. 164S
- (b) F.260 and F.260B RAI-approved Airplane Flight Manual dated April 18, 1968, Revision 1 through 7 (and subsequent approved revisions.)
- (c) F.260C RAI-approved Airplane Flight Manual dated October 20, 1976, and subsequent approved revisions.
- (d) F.260C with Lycoming AE10-540-D4A5 engine RAI-approved Airplane Flight Manual dated May 11, 1983 and subsequent approved revisions.
- (e) F.260D with O-540-E4A5 and AE10-540-D4A5 engines R.A.I. approved Airplane Flight Manual dated December 14, 1985 and subsequent revisions.

- NOTE 1. Current weight and balance report including list of equipment in the certificated empty weight, and loading instructions, must be provided for each aircraft at the time of original certification. The certificated empty weight and corresponding center of gravity location must include:
- unusable fuel of 4 lb. at (+105.5 in) and 8 lb at (+95.3 in)
 - unusable fuel of 26.46 lbs at (+105.5 in) and 8 lbs at (+95.3 in)
(For F 260C and F 260D with AEIO-540-D4A5 engine only).
 - system oil of 5.07 lb at (+31.5 in)
 - system oil of 11.01 lb at (+31.5 in)
(For F 260C and F 260D with AEIO-540-D4A5 engine only)
- NOTE 2. The following placards must be displayed as indicated:
- (a) On Instrument Panel
- This airplane must be operated as a Utility or Acrobatic category airplane in compliance with the Approved Airplane Flight Manual.
- All markings and placards on this airplane apply to its operation as a Utility category airplane.
- For acrobatic category operations, refer to Airplane Flight Manual.
- (b) All placards required in the basic Approved Airplane Flight Manual, installed in the appropriate location.
- NOTE 3. For utility category rear seat may be occupied by two persons and/or baggage provided:
- (a) The total weight on rear seat (including baggage) is under 250 lb.
 - (b) The rear seat is equipped with two separate safety belts.
 - (c) Weight and C.G. position are within limits.
 - (d) No baggage is in the baggage compartment.
 - (e) No radio equipment is in the radio compartment (for F.260C and F260D)
- NOTE 4. Each individual airplane will be supplied with a placard that specifies the kinds of operation such as VFR or IFR, Day or Night, to which the operation of the airplane is limited by the equipment installed.
- NOTE 5. Intentionally left blank.
- NOTE 6. Aircraft Model F.260 with Serial Numbers 2-54 and up incorporate wings modified outline P/N 260-01-76, as model F.260B.

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